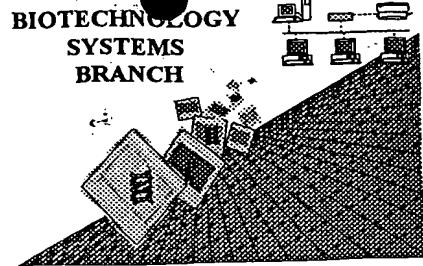


1646

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

TECH CENTER 1600/2900

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NOV 13 2001

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/866,248

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#6

Source: O1PE

OCT 24 2002

Date Processed by STIC: 6/19/2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Applcne CDR

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Raw Sequence Listing Error Summary

TECH CENTER 1600/2900

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>09/866,248</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input checked="" type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input checked="" type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	

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Page 1 of 7

NOV 13 2001

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OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/866,248

DATE: 06/19/2001

TIME: 12:31:16

Input Set : A:\57155A.txt

Output Set: N:\CRF3\06192001\I866248.raw

P.6
Does Not Comply
Corrected Diskette Needed

5 <110> APPLICANT: Gerald, Christophe P.G.
7 Jones, Kenneth A.

9 Bonini, James A.

11 Borowsky, Beth

15 <120> TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
17 and Uses Thereof

21 <130> FILE REFERENCE: 1795/57155-A

-> 25 <140> CURRENT APPLICATION NUMBER: US/09/866,248

-> 27 <141> CURRENT FILING DATE: 2001-05-25

31 <150> PRIOR APPLICATION NUMBER: 09/161,113

33 <151> PRIOR FILING DATE: 1998-09-25

37 <160> NUMBER OF SEQ ID NOS: 42

41 <170> SOFTWARE: PatentIn Ver. 2.0 - beta

45 <210> SEQ ID NO: 1

47 <211> LENGTH: 1410

49 <212> TYPE: DNA

51 <213> ORGANISM: Rattus norvegicus

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59 ggagcagaca gtagatggggc ggagccctcc cagcctccca acggcagctg gcccctgggt 120

61 cagaacggga gtatggatggc gaccagcatg gcaaccagcc tcaccccttc ctcctactac 180

63 caacactcct ctccgggtggc agccatgttc atcgccgcct acgtgctcat cttccctcctc 240

65 tgcatggtgg gcaacaccct ggtctgcttc attgtgctca agaaccggca catgcgcact 300

67 gtcaccaaca tgtttatccct caaccgtggcc gtcagcgacc tgctgggtggg catcttctgc 360

69 atgcccacaa cccttggc gaccatgttc actgggtggc ctttgacaa cgccacatgc 420

71 aagatgagcg gcttgggtgca gggcatgtcc gtgtctgcat cggttttcac actgggtggcc 480

73 atcgctgtgg aaagggttccg ctgcatgtg cacccttcc gcgagaagct gacccttcgg 540

75 aaggcgctgt tcaccatcg ggtgatctgg gctctggcgc tgctcatcat gtgtccctcg 600

77 gcggtcaactc tgacagtca cccgagaggag catcaactca tgctggatgc tcgtaaccgc 660

79 tcctacccgc tctactcggt ctggggaggcc tggcccgaga agggcatgcg caaggcttac 720

81 accgcgggtgc tcttcgcgca catctacctg gtgcgcgtgg cgctcatcgat agtgatgtac 780

83 gtgcgcacatcg cgcgcaagct atgcaggcc cccggctctg cgcgcgacac ggaggaggcg 840

85 gtggccgagg gtggccgcac ttgcgcgtt agggccgcg tggtgacat gctggatcg 900

87 gtggcgctct tcttcacgtt gtccctggctg ccactctggg tgctgctgct gctcatcgac 960

89 tatggggagc tgagcgagct gcaactgcac ctgtgtcg tctacgcctt ccccttggca 1020

91 cactggctgg ccttcttcca cagcagcgcc aaccccatca tctacggcta cttcaacgag 1080

93 aacttccgcg ccggcttcca ggctgccttc cgtgcacage tctgtctggcc tccctgggc 1140

95 gcccacaagc aaggctactc ggagcggccc aaccgcctcc tgccgcaggcg ggtgggtgg 1200

97 gacgtcaac ccagcgactc cggctgtcca tcaagatgtcg gcccacgcg cggggccca 1260

99 gggcctggcc ggctgcccact ggcataatggg cgtgtggccc atcaggatgg cccgggggaa 1320

101 gggccaggct gcaaccacat gcccctcacc atcccgccct ggaacatttg aggtggtcca 1380

103 gagaaggag ggccagtagt cctgtggccc 1410

107 <210> SEQ ID NO: 2

109 <211> LENGTH: 432

111 <212> TYPE: PRT

113 <213> ORGANISM: Rattus norvegicus

117 <400> SEQUENCE: 2

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/866,248

DATE: 06/19/2001

TIME: 12:31:16

Input Set : A:\57155A.txt

Output Set: N:\CRF3\06192001\I866248.raw

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 125 Gln Asn Gly Ser Asp Val Glu Thr Ser Met Ala Thr Ser Leu Thr Phe
 127 20 25 30
 131 Ser Ser Tyr Tyr Gln His Ser Ser Pro Val Ala Ala Met Phe Ile Ala
 133 35 40 45
 137 Ala Tyr Val Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val
 139 50 55 60
 143 Cys Phe Ile Val Leu Lys Asn Arg His Met Arg Thr Val Thr Asn Met
 145 65 70 75 80
 149 Phe Ile Leu Asn Leu Ala Val Ser Asp Leu Leu Val Gly Ile Phe Cys
 151 85 90 95
 155 Met Pro Thr Thr Leu Val Asp Asn Leu Ile Thr Gly Trp Pro Phe Asp
 157 100 105 110
 161 Asn Ala Thr Cys Lys Met Ser Gly Leu Val Gln Gly Met Ser Val Ser
 163 115 120 125
 167 Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Glu Arg Phe Arg Cys
 169 130 135 140
 173 Ile Val His Pro Phe Arg Glu Lys Leu Thr Leu Arg Lys Ala Leu Phe
 175 145 150 155 160
 179 Thr Ile Ala Val Ile Trp Ala Leu Ala Leu Leu Ile Met Cys Pro Ser
 181 165 170 175
 185 Ala Val Thr Leu Thr Val Thr Arg Glu Glu His His Phe Met Leu Asp
 187 180 185 190
 191 Ala Arg Asn Arg Ser Tyr Pro Leu Tyr Ser Cys Trp Glu Ala Trp Pro
 193 195 200 205
 197 Glu Lys Gly Met Arg Lys Val Tyr Thr Ala Val Leu Phe Ala His Ile
 199 210 215 220
 203 Tyr Leu Val Pro Leu Ala Leu Ile Val Val Met Tyr Val Arg Ile Ala
 205 225 230 235 240
 209 Arg Lys Leu Cys Gln Ala Pro Gly Pro Ala Arg Asp Thr Glu Glu Ala
 211 245 250 255
 215 Val Ala Glu Gly Arg Thr Ser Arg Arg Arg Ala Arg Val Val His
 217 260 265 270
 221 Met Leu Val Met Val Ala Leu Phe Phe Thr Leu Ser Trp Leu Pro Leu
 223 275 280 285
 227 Trp Val Leu Leu Leu Ile Asp Tyr Gly Glu Leu Ser Glu Leu Gln
 229 290 295 300
 233 Leu His Leu Leu Ser Val Tyr Ala Phe Pro Leu Ala His Trp Leu Ala
 235 305 310 315 320
 239 Phe Phe His Ser Ser Ala Asn Pro Ile Ile Tyr Gly Tyr Phe Asn Glu
 241 325 330 335
 245 Asn Phe Arg Arg Gly Phe Gln Ala Ala Phe Arg Ala Gln Leu Cys Trp
 247 340 345 350
 251 Pro Pro Trp Ala Ala His Lys Gln Ala Tyr Ser Glu Arg Pro Asn Arg
 253 355 360 365
 257 Leu Leu Arg Arg Arg Val Val Asp Val Gln Pro Ser Asp Ser Gly
 259 370 375 380
 263 Leu Pro Ser Glu Ser Gly Pro Ser Ser Gly Val Pro Gly Pro Gly Arg

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/866,248

DATE: 06/19/2001
TIME: 12:31:16

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Output Set: N:\CRF3\06192001\I866248.raw

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269 Leu Pro Leu Arg Asn Gly Arg Val Ala His Gln Asp Gly Pro Gly Glu
271           405           410           415
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277           420           425           430
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291 <211> LENGTH: 200
293 <212> TYPE: DNA
295 <213> ORGANISM: Homo sapiens
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303 ggcaccccg ctacaaacct cacattctcc tcctactatc agcacacaccc ccctgtggcg 120
305 gccatgttca ttgtggccata tgcgctcatc ttctgtctc gcatggtgaa caacaccctg 180
307 gtctgtttca ttttgttcaaa                               200
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313 <211> LENGTH: 66
315 <212> TYPE: PRT
317 <213> ORGANISM: Homo sapiens
321 <400> SEQUENCE: 4
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325   1           5           10          15
329 Thr Asn Thr Glu Ala Thr Pro Ala Thr Asn Leu Thr Phe Ser Ser Tyr
331           20          25          30
335 Tyr Gln His Thr Ser Pro Val Ala Ala Met Phe Ile Val Ala Tyr Ala
337           35          40          45
341 Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val Cys Phe Ile
343           50          55          60
347 Val Leu
349   65
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359 <212> TYPE: DNA
361 <213> ORGANISM: Homo sapiens
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369 gaaaaactggc atccccatctg gaatgtcaat gacacaaaagc atcatctgtt ctcagatatt 120
371 aatattaccc atgtgaacta ctatcttcac cagcctcaag tggcagcaat cttcattttt 180
373 tcctactttc tgatctttt tttgtgcattt atggaaata ctgtggttt ctttatttta 240
375 attaggaaaca aacatatgca cacagtcaat aatctttca tcttaaaccc ggccataagt 300
377 gatttactag ttggcatatt ctgcatttca ataacactgc tggacaatata tatacgagg 360
379 tggccattttt gaaacacgat gtgcaggatc agtggattgg tccaggaaat atctgtcgca 420
381 gtttcgtct ttacgttagt tgcaatttgcgtt gtagataggt tccagtgtgt ggtctaccct 480
383 tttaaacccaa agctcaatca aacatggcg tttgtcattt ttatgtatcat ctgggtccca 540
385 gccatccatca ttatgtctcc atctgcatttca atgttacatg tgcaagaaga aaaatattac 600
387 cgagtgagac tcaactccca gaataaaacc agtccaggatc actgggtgccg ggaagactgg 660
389 ccaaattcagg aatgaggaa gatctacacc actgtgtctt ttgccaacat ctacctggct 720
391 cccctctccca tcattgtcat catgtatggaa aggattggaa ttctacttca caggcgtca 780
393 gttccctcaca caggcaggaa gaaccaggag cagtgccacg tgggttccag gaagaagcag 840
395 aagatcatta agatgtccctt gattgtggcc ctgttttta ttctctcatg gctccccctg 900

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/866,248

DATE: 06/19/2001

TIME: 12:31:16

Input Set : A:\57155A.txt

Output Set: N:\CRF3\06192001\I866248.raw

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 399 aacatctaca tctaccctt tgcacactgg ctggcattcg gcaacagcag tgtcaatccc 1020
 401 atcatttatg gtttcttcaa cgagaatttc cgccgtgggt tccaagaage tttccagctc 1080
 403 cagctctgcc aaaaaagagc aaaggctatg gaagcttatg ccctaaaagc taaaagccat 1140
 405 gtgctcataa acacatctaa tcagcttgc caggaatcta catttcaaaa ccctcatggg 1200
 407 gaaaccttgc tttatagggaa aagtgctgaa aaaccccaac aggaattagt gatggaagaa 1260
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 415 <211> LENGTH: 420
 417 <212> TYPE: PRT
 419 <213> ORGANISM: Homo sapiens
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 431 Trp Asn Val Asn Asp Thr Lys His His Leu Tyr Ser Asp Ile Asn Ile
 433 20 25 30
 437 Thr Tyr Val Asn Tyr Tyr Leu His Gln Pro Gln Val Ala Ala Ile Phe
 439 35 40 45
 443 Ile Ile Ser Tyr Phe Leu Ile Phe Phe Leu Cys Met Met Gly Asn Thr
 445 50 55 60
 449 Val Val Cys Phe Ile Val Met Arg Asn Lys His Met His Thr Val Thr
 451 65 70 75 80
 455 Asn Leu Phe Ile Leu Asn Leu Ala Ile Ser Asp Leu Leu Val Gly Ile
 457 85 90 95
 461 Phe Cys Met Pro Ile Thr Leu Leu Asp Asn Ile Ile Ala Gly Trp Pro
 463 100 105 110
 467 Phe Gly Asn Thr Met Cys Lys Ile Ser Gly Leu Val Gln Gly Ile Ser
 469 115 120 125
 473 Val Ala Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Asp Arg Phe
 475 130 135 140
 479 Gln Cys Val Val Tyr Pro Phe Lys Pro Lys Leu Thr Ile Lys Thr Ala
 481 145 150 155 160
 485 Phe Val Ile Ile Met Ile Ile Trp Val Leu Ala Ile Thr Ile Met Ser
 487 165 170 175
 491 Pro Ser Ala Val Met Leu His Val Gln Glu Glu Lys Tyr Tyr Arg Val
 493 180 185 190
 497 Arg Leu Asn Ser Gln Asn Lys Thr Ser Pro Val Tyr Trp Cys Arg Glu
 499 195 200 205
 503 Asp Trp Pro Asn Gln Glu Met Arg Lys Ile Tyr Thr Thr Val Leu Phe
 505 210 215 220
 509 Ala Asn Ile Tyr Leu Ala Pro Leu Ser Leu Ile Val Ile Met Tyr Gly
 511 225 230 235 240
 515 Arg Ile Gly Ile Ser Leu Phe Arg Ala Ala Val Pro His Thr Gly Arg
 517 245 250 255
 521 Lys Asn Gln Glu Gln Trp His Val Val Ser Arg Lys Lys Gln Lys Ile
 523 260 265 270
 527 Ile Lys Met Leu Leu Ile Val Ala Leu Leu Phe Ile Leu Ser Trp Leu
 529 275 280 285
 533 Pro Leu Trp Thr Leu Met Met Leu Ser Asp Tyr Ala Asp Leu Ser Pro

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/866,248

DATE: 06/19/2001

TIME: 12:31:16

Input Set : A:\57155A.txt

Output Set: N:\CRF3\06192001\I866248.raw

535	290	295	300
539	Asn Glu Leu Gln Ile Ile Asn Ile Tyr Ile Tyr Pro Phe Ala His Trp		
541	305	310	315
545	Leu Ala Phe Gly Asn Ser Ser Val Asn Pro Ile Ile Tyr Gly Phe Phe		320
547	325	330	335
551	Asn Glu Asn Phe Arg Arg Gly Phe Gln Glu Ala Phe Gln Leu Gln Leu		
553	340	345	350
557	Cys Gln Lys Arg Ala Lys Pro Met Glu Ala Tyr Ala Leu Lys Ala Lys		
559	355	360	365
563	Ser His Val Leu Ile Asn Thr Ser Asn Gln Leu Val Gln Glu Ser Thr		
565	370	375	380
569	Phe Gln Asn Pro His Gly Glu Thr Leu Leu Tyr Arg Lys Ser Ala Glu		
571	385	390	395
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605	cctgtggcgcc ccatgttcat tgggcctat ggcgtcatct tcctgctctg catgtgggc 180		
607	aacaccctgg tctgtttcat cgtgctcaag aaccggcaca tgcatactgt caccacatg 240		
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611	cttgtggaca acctcatcac tgggtggccc ttcgacaatg ccacatgcaa gatgagcggc 360		
613	tttgtgcagg gcatgtctgt gtggcttcc gtttacac tgggtggccat tgctgtggaa 420		
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619	accgtcaccc gtgaggagca ccacttcatg gtggacgccc gcaaccgctc ctaccctctc 600		
621	tactcctgct gggaggcctg gcccagaag ggcgtcgca gggctacac cactgtgctc 660		
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631	ccgcagctgc acctggtcac cgtctacgcc ttccccctcg cgcaactggct ggccttc 960		
633	aacagcagcg ccaacccat catctacggc tacttaacg agaaacttccg ccgcggcttc 1020		
635	caggccgcct tccgcgcggc cctctggccc cgccccgtcg ggagccacaa ggaggcctac 1080		
637	tccgagcggc cggcgggct tctgcacagg cgggtcttcg tgggtggcg gcccagcgc 1140		
639	tccgggctgc cctctgagtc gggccctagc agtggggccc ccaggcccg ccgcctcccg 1200		
641	ctgcggaatg ggcgggtggc tcaccacggc ttgcccagg aagggcctgg ctgctcccac 1260		
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657	<400> SEQUENCE: 8		

09/866,248

6

<210> 9

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer/probe

<400> 9

gyntwyrynn tnwsnigght ncc

→ see item 9 on End Summary Sheet
23

<210> 10

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer/probe

<400> 10

avnaadngbrw avannanngg rtt

→ item 9

23

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/866,248

DATE: 06/19/2001
TIME: 12:31:17

Input Set : A:\57155A.txt
Output Set: N:\CRF3\06192001\I866248.raw

25 M:270 C: Current Application Number differs, Replaced Application Number
27 M:271 C: Current Filing Date differs, Replaced Current Filing Date
841 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
841 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
863 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:10
863 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10